

1FW

DOCKET NO.: UDL-0004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Graham Heeks and Nigel Peter Fox

Application No.: 10/782,475

Filing Date: February 19, 2004

For: Valve Arrangement And Traffic Calming Device Incorporating Such An Arrangement

Confirmation No.: 4904

Group Art Unit: 3671

Examiner: Not Yet Known

DATE OF DEPOSIT: June 23, 2004

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Frank T. Carroll  
REGISTRATION NO.: 42,392

Office of Initial Patent Examination  
Customer Service Center  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attention:

REQUEST FOR CORRECTED FILING RECEIPT

1. Attached is a copy of the Official Filing Receipt received from the PTO in the above application for which issuance of a Corrected Filing Receipt is respectfully requested. The requested changes are noted thereon, as well as listed below.
2. There is an error with respect to the following data which is:
  - ☒ incorrectly entered; and/or
  - ☐ omitted.

Error in	Correct data
1. Applicant's name	1.
2. Applicant's address	2.
3. Title	3.
4. Filing Date	4.
5. Application Number	5.
6. Foreign/PCT Application Re:	6.
7. Other: Assignment	7. Assignee should just be Autospan Limited. Please see attached assignments.

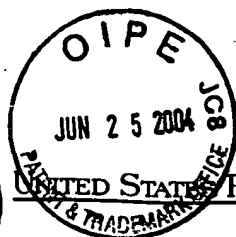
Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

Date: June 23, 2004



Frank T. Carroll  
Registration No. 42,392

Woodcock Washburn LLP  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/782,475	02/19/2004	3671	1060	UDL-0004	1	7	1

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CONFIRMATION NO. 4904

23377  
 WOODCOCK WASHBURN LLP  
 ONE LIBERTY PLACE, 46TH FLOOR  
 1650 MARKET STREET  
 PHILADELPHIA, PA 19103

MAY 20 2004

FILING RECEIPT



\*OC000000012689655\*

Woodcock Washburn

Date Mailed: 05/17/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Graham Heeks, Cheshire, UNITED KINGDOM;  
 Nigel Peter Fox, Staffordshire, UNITED KINGDOM;

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MAY 20 2004

## Assignment For Published Patent Application

Autospan Limited;  
~~IMI Norgren Limited;~~

DOCKET DEPT  
WWKMN

## Domestic Priority data as claimed by applicant

This application is a DIV of 10/204,895 11/26/2002 PAT 6,726,399  
 which is a CIP of 09/180,621 01/08/1999 ABN

## Foreign Applications

UNITED KINGDOM 0004360.4 02/25/2000  
 UNITED KINGDOM PCT/GB98/00748 03/12/1998  
 UNITED KINGDOM 9705078.5 03/12/1997

If Required, Foreign Filing License Granted: 05/14/2004

Projected Publication Date: 08/26/2004

Non-Publication Request: No

Early Publication Request: No

**Title**

Valve arrangement and traffic calming device incorporating such an arrangement

**Preliminary Class**

404

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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PATENT AND  
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UOL-0002

10/11  
Per/FTC

JULY 16, 2003

WOODCOCK WASHBURN LLP  
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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/03/2003

REEL/FRAME: 013801/0439  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IMI NORGREN LIMITED

DOC DATE: 02/14/2001

ASSIGNEE:

AUTOSPAN LIMITED  
GREENGATE WORKS  
GREENGATE, MANCHESTER  
UNITED  
KINGDOM  
M3 7WS

SERIAL NUMBER: 10204895  
PATENT NUMBER:

FILING DATE: 11/26/2002  
ISSUE DATE:

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
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Varela Chiochi  
Woodcock Washburn

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03-05-2003

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3-3-03



To The Honorable Commissioner of Patents and

102381027

original documents or copy thereof.

1. Name of conveying party(ies):

**IMI Norgren Limited** **February 14, 2001**  
 First Assignor Date of Execution

Second Assignor Date of Execution

Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

2. Name and address of receiving party(ies):

Name: Autospan Limited

Street Address: Greengate Works

City: Greengate, Manchester

Country: United Kingdom ZIP: M3 7WS

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☒ New Assignment ☐ Merger  
☐ License Agreement ☐ Security Agreement  
☐ Change of Name ☐ Other:

☐ Cross-reference of Assignment filed in United States  
 Application No. / , recorded on  
 at Reel No. and Frame No.

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

10/204,895

Patent Nos.:

Date application was signed by the first  
 named executing inventor

(Fill-in this date only if assignment is filed  
 together with a new application)

5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: **Richard E. Kurtz**  
**WOODCOCK WASHBURN LLP**  
 One Liberty Place - 46th Floor  
 Philadelphia, Pennsylvania 19103-7301  
 215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to Deposit Account Number  
 23-3050

8. Please charge any deficiency or credit any overpayment to  
 Deposit Account Number 23-3050

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Frank T. Carroll/42,392

Name of Person Signing/Reg. No.

UDL-0002

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT

THIS ASSIGNMENT is made the 14th day of February 2001 BETWEEN IMI Norgren Limited of PO Box 22, Eastern Avenue, Lichfield, Staffordshire WS13 6SB, United Kingdom (hereinafter called "the Assignor") of the one part and Autospan Limited of Greengate Works, Greengate, Manchester M3 7WS, United Kingdom (hereinafter called "the Assignee") of the other part.

### WHEREAS

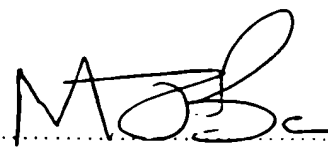
- A. The Assignor is entitled to the benefit of United Kingdom Patent Application No 004360.4 dated 25 February 2000 and entitled "Valve" (hereinafter referred to as "the Application").
- B. The parties hereto have agreed that the Application should be transferred by the Assignor to the Assignee for the consideration hereinafter set forth.

NOW THIS ASSIGNMENT WITNESSETH in consideration of the sum of five hundred pounds (£500) + Value Added Tax now paid by the Assignee to the Assignor (the receipt of which is hereby acknowledged) the Assignor with full title guarantee hereby assigns to the Assignee the Application, the right, title and interest therein and all the rights, powers, privileges and immunities arising or accrued therefrom (including but not limited to the right to file applications corresponding thereto anywhere in the world) free from all encumbrances to the intent that the grant of a patent pursuant to the Application (and the grant of a patent on any corresponding application elsewhere) shall be in the name of and shall vest in the Assignee.

TO HOLD unto the Assignee absolutely.

IN WITNESS whereof the Assignor and the Assignee have executed this Assignment the day and year first above written.

FOR AND ON BEHALF of  
IMI Norgren Limited

  
.....  
Company Secretary

FOR AND ON BEHALF of





UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

*TIR*  
*Rek/FC*

*UDL-0002*

JULY 16, 2003

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Director of the United States Patent and Trademark Office  
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www.uspto.gov

WOODCOCK WASHBURN LLP  
RICHARD E. KURTZ  
ONE LIBERTY PLACE - 46TH FLOOR  
PHILADELPHIA, PA 19103-7301

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JUL 21 2003



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Woodcock Washburn

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RECORDATION DATE: 03/03/2003

REEL/FRAME: 013801/0453  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FOX, NIGEL

DOC DATE: 02/13/2001

ASSIGNEE:

IMI NORGREN LIMITED  
P.O. BOX 22, EASTERN AVENUE  
LICHFIELD, STAFFORDSHIRE  
UNITED  
KINGDOM  
WS13 6SB

SERIAL NUMBER: 10204895  
PATENT NUMBER:

FILING DATE: 11/26/2002  
ISSUE DATE:

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STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
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Valerie Chiodi  
Woodcock Washburn



3-3-03

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03-05-2003



To The Honorable Commissioner of Patents and Trademarks

all documents or copy thereof.

1. Name of conveying party(ies):

102381026

receiving party(ies):

Nigel Fox

February 13, 2001

First Assignor

Date of Execution

Second Assignor

Date of Execution

Third Assignor

Date of Execution

Fourth Assignor

Date of Execution

Fifth Assignor

Date of Execution

Sixth Assignor

Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

Name: IMI Norgren Limited

Street Address: P.O. Box 22, Eastern Avenue

City: Lichfield, Staffordshire

Country: United Kingdom

ZIP: WS13 6SB

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☒ New Assignment☐ Merger☐ License Agreement☐ Security Agreement☐ Change of Name☐ Other:☐ Cross-reference of Assignment filed in United States  
Application No. / , recorded on  
at Reel No. and Frame No.

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

Patent Nos.:

Date application was signed by the first  
named executing inventor

10/204,895

(Fill-in this date only if assignment is filed  
together with a new application)5. Name and address of party to whom correspondence  
concerning documents should be mailed:

Name: Richard E. Kurtz

WOODCOCK WASHBURN LLP

One Liberty Place - 46th Floor

Philadelphia, Pennsylvania 19103-7301

215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):

\$40.00

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23-30508. Please charge any deficiency or credit any overpayment to  
Deposit Account Number 23-3050

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the  
original document.

Frank T. Carroll/42,392

Name of Person Signing/Reg. No.

Signature

Date

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Total number of pages including cover sheet, assignment document and additional pages attached thereto: 2

Mail documents to be recorded with required cover sheet information to:

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Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

THIS ASSIGNMENT is made the 13<sup>th</sup> February 2001 BETWEEN Nigel Fox of 84 Flaxley Road, Rugeley, Staffordshire, WS15 1LZ, United Kingdom (hereinafter called "the Assignor") of the one part and IMI Norgren Limited of P.O. Box 22, Eastern Avenue, Lichfield, Staffordshire, WS13 6SB, United Kingdom (hereinafter called "the Assignee") of the other part.

### WHEREAS

- A. The Assignor is the inventor of the invention described in United Kingdom Patent Application No. 004360.4 dated 25 February 2000 and entitled "Valve" (hereinafter referred to as "the Application").
- B. The parties hereto have agreed that the Application should be transferred by the Assignor to the Assignee for the consideration hereinafter set forth.

NOW THIS ASSIGNMENT WITNESSETH in consideration of the sum of one Pound Sterling now paid by the Assignee to the Assignor (the receipt of which is hereby acknowledged) the Assignor with full title guarantee hereby assigns to the Assignee the Application, the right, title and interest therein and all the rights, powers, privileges and immunities arising or accrued therefrom (including but not limited to the right to file applications corresponding thereto anywhere in the world) free from all encumbrances to the intent that the grant of a patent pursuant to the Application (and the grant of a patent on any corresponding application elsewhere) shall be in the name of and shall vest in the Assignee.

TO HOLD unto the Assignee absolutely.

IN WITNESS whereof the Assignor has executed this Assignment the day and year first above written.



Nigel Fox



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

U DL-0003

HP  
MER/FTL

JULY 15, 2003

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Under Secretary of Commerce For Intellectual Property and  
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Washington, DC 20231  
www.uspto.gov

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RICHARD E. KURTZ  
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PHILADELPHIA, PA 19103-7301

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Woodcock Washburn

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RECORDATION DATE: 03/03/2003

REEL/FRAME: 013796/0986  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
HEEKS, GRAHAM

DOC DATE: 02/14/2001

ASSIGNEE:  
AUTOSPAN LIMITED  
GREENGATE WORKS  
GREENGATE, MANCHESTER  
UNITED  
KINGDOM  
M3 7WS

SERIAL NUMBER: 10204895  
PATENT NUMBER:

FILING DATE: 11/26/2002  
ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
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03-05-2003

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3-3-03



102465474

To The Honorable Commissioner of Patents and Trademarks. Please record the assignment documents or copy thereof.

1. Name of conveying party(ies):

**Graham Heeks** **February 14, 2001**  
 First Assignor Date of Execution

Second Assignor Date of Execution

Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

2. Name and address of receiving party(ies):

Name: Autospan Limited

Street Address: Greengate Works

City: Greengate, Manchester

Country: United Kingdom ZIP: M3 7WS

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☒ New Assignment ☐ Merger  
☐ License Agreement ☐ Security Agreement  
☐ Change of Name ☐ Other:

☐ Cross-reference of Assignment filed in United States  
 Application No. / , recorded on  
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10/204,895

Patent Nos.:

Date application was signed by the first  
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(Fill-in this date only if assignment is filed  
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5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: **Richard E. Kurtz**  
**WOODCOCK WASHBURN LLP**  
 One Liberty Place - 46th Floor  
 Philadelphia, Pennsylvania 19103-7301  
 215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to Deposit Account Number  
 23-3050

8. Please charge any deficiency or credit any overpayment to  
 Deposit Account Number 23-3050

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Frank T. Carroll/42,392

Name of Person Signing/Reg. No.

UDL-0002

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

10/204,895

40.00

## ASSIGNMENT

THIS ASSIGNMENT made the 14 day of February, 2001 BETWEEN Graham Heeks of Stone House, Wrinehill, Cheshire, CW3 9BY, United Kingdom, (hereinafter referred to as the "Assignor") of the one part and Autospan Limited of Greengate Works, Greengate, Manchester, M3 7WS, United Kingdom (hereinafter called "the Assignee") of the other part.

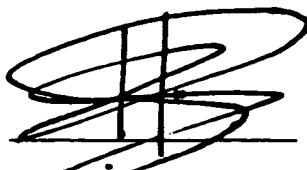
### WHEREAS

- A. The Assignor is the inventor of the invention described in United States Patent Application No. 10/204,895 and entitled "Valve Arrangement and Traffic Calming Device Incorporating Such an Arrangement" (hereinafter referred to as "the Application").
- B. The parties hereto have agreed that the Application should be transferred by the Assignor to the Assignee for the consideration hereinafter set forth.

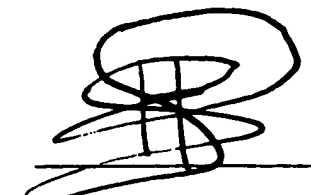
NOW THIS ASSIGNMENT WITNESSETH in consideration of the sum of one Pound Sterling now paid by the Assignee to the Assignor (the receipt of which is hereby acknowledged) the Assignor with full title guarantee hereby assigns to the Assignee the Application, the right, title and interest therein and all the rights, powers, privileges and immunities arising or accrued therefrom free from all encumbrances to the intent that the grant of a patent pursuant to the Application (and the grant of a patent on any corresponding continuations and divisionals shall be in the name of and shall vest in the Assignee.

TO HOLD unto the Assignee absolutely.

IN WITNESS WHEREOF the Assignor has executed this Assignment the day and year first above written.



Graham Heeks



Autospan Limited

By: **GRAHAM HECKS**  
Position: **DIRECTOR**